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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/909,363

DATE: 12/10/2001
TIME: 15:20:03

Input Set : A:\226272003802 seq. list..txt
Output Set: N:\CRF3\12102001\I909363.raw

ENTERED

SEQUENCE LISTING

C--> 3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Feldhaus, Andrew

C--> 7 (ii) TITLE OF INVENTION: TRANSCRIPTIONALLY-ACTIVATED

8 AAV INVERTED TERMINAL REPEATS (ITRs) FOR USE WITH

RECOMBINANT

9 AAV VECTORS

11 (iii) NUMBER OF SEQUENCES: 21

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: MORRISON & FOERSTER

15 (B) STREET: 755 PAGE MILL ROAD

16 (C) CITY: PALO ALTO

17 (D) STATE: CA

18 (E) COUNTRY: USA

19 (F) ZIP: 94304-1018

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Diskette

23 (B) COMPUTER: IBM Compatible

24 (C) OPERATING SYSTEM: DOS

25 (D) SOFTWARE: FastSEQ for Windows Version 2.0

27 (vi) CURRENT APPLICATION DATA:

C--> 28 (A) APPLICATION NUMBER: US/09/909,363

C--> 29 (B) FILING DATE: 19-Jul-2001

30 (C) CLASSIFICATION:

44 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: 09/171,759

34 (B) FILING DATE: 20-OCT-1998

37 (A) APPLICATION NUMBER: PCT/US98/21937

38 (B) FILING DATE: 20-OCT-1998

41 (A) APPLICATION NUMBER: 08/955,400

42 (B) FILING DATE: 27-OCT-1997

45 (A) APPLICATION NUMBER: 60/108,162

46 (B) FILING DATE: 21-OCT-1997

48 (viii) ATTORNEY/AGENT INFORMATION:

49 (A) NAME: Polizzi, Caterhine M.

50 (B) REGISTRATION NUMBER: 40,130

51 (C) REFERENCE/DOCKET NUMBER: 226272003802

53 (ix) TELECOMMUNICATION INFORMATION:

54 (A) TELEPHONE: 650-813-5600

55 (B) TELEFAX: 650-494-0792

56 (C) TELEX: 706141

58 (2) INFORMATION FOR SEQ ID NO: 1:

60 (i) SEQUENCE CHARACTERISTICS:

61 (A) LENGTH: 40 base pairs

62 (B) TYPE: nucleic acid

63 (C) STRANDEDNESS: single

64 (D) TOPOLOGY: linear

66 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

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68	TCGAGTATAT AAGCAGAGCT CGTTTAGTGA ACCGTCAGAG	40
70	(2) INFORMATION FOR SEQ ID NO: 2:	
72	(i) SEQUENCE CHARACTERISTICS:	
73	(A) LENGTH: 40 base pairs	
74	(B) TYPE: nucleic acid	
75	(C) STRANDEDNESS: single	
76	(D) TOPOLOGY: linear	
78	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
80	TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAC	40
82	(2) INFORMATION FOR SEQ ID NO: 3:	
84	(i) SEQUENCE CHARACTERISTICS:	
85	(A) LENGTH: 50 base pairs	
86	(B) TYPE: nucleic acid	
87	(C) STRANDEDNESS: single	
88	(D) TOPOLOGY: linear	
90	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
92	TCGAGTTCTC CCTCTCCCCC TTTAATTCCA CCTTAAAACA TCTGCAAAAC	50
94	(2) INFORMATION FOR SEQ ID NO: 4:	
96	(i) SEQUENCE CHARACTERISTICS:	
97	(A) LENGTH: 50 base pairs	
98	(B) TYPE: nucleic acid	
99	(C) STRANDEDNESS: single	
100	(D) TOPOLOGY: linear	
102	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
104	TCGAGTTTTG CAGATGTTTT AAGGTGGAAT TAAAGGGAA GAGGGAGAAC	50
106	(2) INFORMATION FOR SEQ ID NO: 5:	
108	(i) SEQUENCE CHARACTERISTICS:	
109	(A) LENGTH: 60 base pairs	
110	(B) TYPE: nucleic acid	
111	(C) STRANDEDNESS: single	
112	(D) TOPOLOGY: linear	
114	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
116	TCGAGTGCAC GCTCACGCAG GTTGCTATAT AAGCAGAGCT CGTTTAGTGA ACCGTCAGAG	60
118	(2) INFORMATION FOR SEQ ID NO: 6:	
120	(i) SEQUENCE CHARACTERISTICS:	
121	(A) LENGTH: 60 base pairs	
122	(B) TYPE: nucleic acid	
123	(C) STRANDEDNESS: single	
124	(D) TOPOLOGY: linear	
126	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:	
128	TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAG CAACCTGCGT GAGCGTGCAC	60
130	(2) INFORMATION FOR SEQ ID NO: 7:	
132	(i) SEQUENCE CHARACTERISTICS:	
133	(A) LENGTH: 67 base pairs	
134	(B) TYPE: nucleic acid	
135	(C) STRANDEDNESS: single	
136	(D) TOPOLOGY: linear	
138	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:	
140	TCGAGGCGCC GCTAGGGGTC TCTCTCGGGT GCTATATAAG CAGAGCTCGT TTAGTGAACC	60

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141	GTCAGAG	67
143	(2) INFORMATION FOR SEQ ID NO: 8:	
145	(i) SEQUENCE CHARACTERISTICS:	
146	(A) LENGTH: 67 base pairs	
147	(B) TYPE: nucleic acid	
148	(C) STRANDEDNESS: single	
149	(D) TOPOLOGY: linear	
151	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:	
153	TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAG CACCCGAGAG AGACCCCTAG	60
154	CGGCGCC	67
156	(2) INFORMATION FOR SEQ ID NO: 9:	
158	(i) SEQUENCE CHARACTERISTICS:	
159	(A) LENGTH: 82 base pairs	
160	(B) TYPE: nucleic acid	
161	(C) STRANDEDNESS: single	
162	(D) TOPOLOGY: linear	
164	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:	
166	TCGAGCCGCT AGGGGTCTCT CTCGGGTGTG GGCCGGATCA GCTGACTCGC TGAGCCCCGC	60
167	CGCCGCGCTC GGGCTCCGTC AG	82
169	(2) INFORMATION FOR SEQ ID NO: 10:	
171	(i) SEQUENCE CHARACTERISTICS:	
172	(A) LENGTH: 82 base pairs.	
173	(B) TYPE: nucleic acid	
174	(C) STRANDEDNESS: single	
175	(D) TOPOLOGY: linear	
177	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:	
179	TCGACTGACG GAGCCCGAGC GCGGCCGGCGG GGCTCAGCGA GTCAGCTGAT CCGGCCACAA	60
180	CCCGAGAGAG ACCCCTAGCG GC	82
182	(2) INFORMATION FOR SEQ ID NO: 11:	
184	(i) SEQUENCE CHARACTERISTICS:	
185	(A) LENGTH: 82 base pairs	
186	(B) TYPE: nucleic acid	
187	(C) STRANDEDNESS: single	
188	(D) TOPOLOGY: linear	
190	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:	
192	TCGAGAACCGG TGACGTGCAC GCGTGGCGG AGCCATCACG CAGGTTGCTA TATAAGCAGA	60
193	GCTCGTTAG TGAACCGTCA GA	82
195	(2) INFORMATION FOR SEQ ID NO: 12:	
197	(i) SEQUENCE CHARACTERISTICS:	
198	(A) LENGTH: 83 base pairs	
199	(B) TYPE: nucleic acid	
200	(C) STRANDEDNESS: single	
201	(D) TOPOLOGY: linear	
203	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:	
205	TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAG CAACCTGCGT GATGGCTCCG	60
206	CCCACGCGTG CACGTCACCG TTC	83
208	(2) INFORMATION FOR SEQ ID NO: 13:	
210	(i) SEQUENCE CHARACTERISTICS:	
211	(A) LENGTH: 110 base pairs	

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212 (B) TYPE: nucleic acid
 213 (C) STRANDEDNESS: single
 214 (D) TOPOLOGY: linear
 216 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 218 TCGAGCTGGA GCCGGTGTCA GGTTGCTCCG GAAACGGTGA CGTGCACGCG TGGGCGGAGC 60
 219 CATCACGAG GTTGCTATAT AAGCAGAGCT CGTTTAGTGA ACCGTCAGAG 110
 221 (2) INFORMATION FOR SEQ ID NO: 14:
 223 (i) SEQUENCE CHARACTERISTICS:
 224 (A) LENGTH: 110 base pairs
 225 (B) TYPE: nucleic acid
 226 (C) STRANDEDNESS: single
 227 (D) TOPOLOGY: linear
 229 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 231 TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAG CAACCTGAGT GATGGCTCCG 60
 232 CCCACGCGTG CACGTCACCG TTACCGGAGC AACCTGACAC CGGCTCCAGC 110
 234 (2) INFORMATION FOR SEQ ID NO: 15:
 236 (i) SEQUENCE CHARACTERISTICS:
 237 (A) LENGTH: 83 base pairs
 238 (B) TYPE: nucleic acid
 239 (C) STRANDEDNESS: single
 240 (D) TOPOLOGY: linear
 242 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
 244 TCGAGGCCAA TCAGCGTGCG CGGTTCCCTT TCTGGCTCGA GCGGCCCTA TATAAGCAGA 60
 245 GCTCGTTAG TGAACCGTCA GAG 83
 247 (2) INFORMATION FOR SEQ ID NO: 16:
 249 (i) SEQUENCE CHARACTERISTICS:
 250 (A) LENGTH: 83 base pairs
 251 (B) TYPE: nucleic acid
 252 (C) STRANDEDNESS: single
 253 (D) TOPOLOGY: linear
 255 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
 257 TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAG GGGCCGCTCG AGCCAGAAAA 60
 258 GGAACGGCGC ACGCTGATTG GCC 83
 260 (2) INFORMATION FOR SEQ ID NO: 17:
 262 (i) SEQUENCE CHARACTERISTICS:
 263 (A) LENGTH: 88 base pairs
 264 (B) TYPE: nucleic acid
 265 (C) STRANDEDNESS: single
 266 (D) TOPOLOGY: linear
 268 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
 270 TCGAGCCCCA CCCCTGCC CACCCCTGC CCCACCCCT GCCCCACCCC CTGTATATAA 60
 271 GCAGAGCTCG TTTAGTGAAC CGTCAGAG 88
 273 (2) INFORMATION FOR SEQ ID NO: 18:
 275 (i) SEQUENCE CHARACTERISTICS:
 276 (A) LENGTH: 88 base pairs
 277 (B) TYPE: nucleic acid
 278 (C) STRANDEDNESS: single
 279 (D) TOPOLOGY: linear
 281 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:

RAW SEQUENCE LISTING

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Input Set : A:\226272003802 seq. list..txt

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283 TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAC AGGGGGTGGG GCAGGGGGTG 60
284 GGGCAGGGGG TGGGGCAGGG GGTGGGGC 88
286 (2) INFORMATION FOR SEQ ID NO: 19:
288 (i) SEQUENCE CHARACTERISTICS:
289 (A) LENGTH: 10 base pairs
290 (B) TYPE: nucleic acid
291 (C) STRANDEDNESS: single
292 (D) TOPOLOGY: linear
294 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
296 GCCGAGCGGG 10
298 (2) INFORMATION FOR SEQ ID NO: 20:
300 (i) SEQUENCE CHARACTERISTICS:
301 (A) LENGTH: 10 base pairs
302 (B) TYPE: nucleic acid
303 (C) STRANDEDNESS: single
304 (D) TOPOLOGY: linear
306 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
308 CCGAAAGTTG 10
310 (2) INFORMATION FOR SEQ ID NO: 21:
312 (i) SEQUENCE CHARACTERISTICS:
313 (A) LENGTH: 10 base pairs
314 (B) TYPE: nucleic acid
315 (C) STRANDEDNESS: single
316 (D) TOPOLOGY: linear
318 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
320 CCTTTCTGG 10

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/909,363

DATE: 12/10/2001

TIME: 15:20:04

Input Set : A:\226272003802 seq. list..txt

Output Set: N:\CRF3\12102001\I909363.raw

L:3 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]

L:7 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]